

WHAT IS CLAIMED IS:

1. An air pre-cleaner comprising:
a housing provided with an air inlet;
a drain valve disposed in the housing and configured to drain impurities
5 separated from intake air enters the housing through the air inlet; and
an air exhaust pipe through which the intake air is exhausted from the housing,
where an upper portion of the air exhaust pipe protrudes inside the housing, and the air
exhaust pipe has a lateral section with a first end portion that is disposed near the air
inlet that defines more of an apex than an opposite portion thereof.

10 2. The air pre-cleaner of claim 1, wherein the housing is provided with a
slanted portion where a sectional area of the housing gradually increases.

15 3. The air pre-cleaner of claim 2, wherein the slanted portion of the
housing is positioned at a side of the first end portion of the air exhaust pipe.

4. The air pre-cleaner of claim 1, wherein an upper surface of the air
exhaust pipe is slanted such that the upper surface gradually lowers as it becomes
farther from the air inlet.

20 5. The air pre-cleaner of claim 1, wherein an upper surface of the
housing is slanted such that the upper surface gradually lowers as it becomes farther
from the air inlet.

25 6. The air pre-cleaner of claim 1, wherein the drain valve is positioned
farther from the air inlet than the air exhaust pipe.

7. The air pre-cleaner of claim 6, wherein the drain valve is positioned in
a bottom surface of the housing.